| Index of Claims |  |               |         |  |              |              |                 |          |  |          |            |             |                       | Application No. |         |                        |          |          |              |                        |      |       | Applicant(s) |                 |               |          |          |          |         |           |              |
|-----------------|--|---------------|---------|--|--------------|--------------|-----------------|----------|--|----------|------------|-------------|-----------------------|-----------------|---------|------------------------|----------|----------|--------------|------------------------|------|-------|--------------|-----------------|---------------|----------|----------|----------|---------|-----------|--------------|
| ;               |  |               |         |  |              |              |                 |          |  |          |            |             |                       |                 |         | 10/603,374<br>Examiner |          |          |              |                        |      |       |              |                 | CASPER ET AL. |          |          |          |         |           |              |
|                 |  |               |         |  |              |              |                 | $\ \ $   |  |          |            |             |                       |                 |         |                        |          |          |              |                        |      |       |              |                 | Art Unit      |          |          |          |         |           |              |
|                 |  |               | Ш       |  |              |              |                 | Ш        | Ш  |          |            |             |                       |                 |         | Corol S. Tooi          |          |          |              |                        |      |       |              |                 | 0057          |          |          |          |         |           |              |
|                 |  | 1 17 8 11     | •••     | -  | 111 48       |              |                 |          |  |          |            |             |                       |                 |         | Carol S. Tsai          |          |          |              |                        |      |       |              |                 | 2857          |          |          |          |         |           |              |
|                 |  | $\Box$        |         |  |              |              | 1               |          |  |          | ·          |             |                       |                 |         |                        | 7        |          | Τ            |                        |      |       |              |                 | _             |          |          |          |         | ٦         |              |
|                 | •  | <b> </b>      | R       | eje  | ecte         | be           |                 |          | -  | (        | (Ini       | roug<br>Cai | ın n<br>ncel          |                 | era     | 1)                     |          | N        |              | Non-Ele                | ect  | ed    |              | A               |               | A        | pp       | eal      |         |           |              |
|                 |  |               | Allewed |  |              |              |                 |          | ÷  |          | Restricted |             |                       |                 |         |                        | <u> </u> | T        | Interference |                        |      |       | 0            | Objected        |               |          | 1        |          |         |           |              |
|                 |  |               |         |  | we           | ea           |                 |          |  |          |            | Res         | stric                 | iea             |         |                        | _        | Ľ        | L            | merier                 | ren  | ce    |              | Ш               |               |          | ŋe.      | ctec     | ,       |           |              |
| Cla             | Rejected  = Allowed  im Date  iii 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 |               |         |  |              | $\neg$       | Г               | Clai     | <u></u>  |          |            |             | Dat                   |                 |         |                        | ٦        | Cl       | aim          | 1                      |      |       |              | ate             |               |          | -        |          |         |           |              |
| Cia             |  |               |         | Ι  | Γ,           | Jan          |                 |          |  | $\dashv$ | $\vdash$   |             |                       | Т               |         |                        | T        | Ť        | Т            | TT                     | }    | CI    |              | Н               |               | $\neg$   | Ť        | ale      |         | $\top$    | T            |
| Final           | ina  | 13            |         |  |              |              |                 |          |  |          |            | Final       | Original              |                 |         |                        |          |          | l            |                        |      | Final | Original     |                 |               |          |          |          |         |           |              |
| <u>:</u>        | Öriğ   | 6             |         |  |              |              |                 |          |  |          |            | ᇤᅵ          | įξ                    |                 |         | ı                      |          |          |              |                        |      | ᇤ     | Orig         |                 |               |          | ı        |          |         |           |              |
|                 |  | 4             | _       | _  | $oxed{oxed}$ |              |                 | _        | Ш  | _        | L          |             |                       | _               | $\perp$ |                        | $\perp$  | L        | L            |                        | Ļ    |       |              | Ш               |               |          | _        | $\perp$  |         | $\bot$    | _            |
|                 |  |               |         | <u> </u>   | ┡            | _            | $\sqcup$        |          | $\sqcup$   | _        | -          |             | 51                    | _               | +       | +                      | +        | ╀        | ╀            |                        | - }- |       | 101          |                 |               |          | -        | +        | +       | +         | +            |
|                 |  |               |         |  | ├            | -            | $\vdash$        |          | H  | $\dashv$ | $\vdash$   |             | 52 <sup>.</sup><br>53 | -+              | -       | +                      | ╁        | ╀        | ╀            | ++                     | -    |       | 102<br>103   | $\vdash$        | -             | -+       | +        |          | +       | +         | ╁            |
|                 |  | -             |         | -  | $\vdash$     | $\vdash$     | $\vdash$        |          | Н  | $\dashv$ | -          |             | 54                    | +               | +       | +                      | +-       | ╁        | ╁            | +                      | }    |       | 103          | ╁               | -             |          | $\dashv$ | +        | +       | +         | +            |
| $\dashv$        |  |               | _       |  | -            | $\vdash$     | $\vdash$        |          | Н  | $\dashv$ | F          |             | 55                    | +               | -       | +                      | +        | †        | t            | 111                    | ľ    |       | 105          | $\vdash$        |               | _        | $\dashv$ |          | $\top$  | $\dagger$ | +            |
|                 |  |               |         |  | Г            | Г            | П               | -        | П  | ヿ        | r          |             | 56                    | 7               | 1       | $\top$                 | 1        | 1        | T            | $\Box$                 | Ī    |       | 106          | П               |               |          | 一        | $\dashv$ |         | 1         | T            |
|                 |  |               |         |  |              |              |                 |          |  |          |            |             | 57                    |                 |         |                        |          |          |              |                        |      |       | 107          |                 |               |          |          |          |         |           |              |
|                 |  | V             |         |  | _            | L            |                 |          |  | _        | L          | $\dashv$    | 58                    | $\perp$         | $\perp$ | $\perp$                | <u> </u> | L        | Ļ            | 4                      | L    |       | 108          | Ш               | _             | _        | _        | _        | 4       | 4         | ╄.           |
| _               |  | Ш             |         | <u> </u>   |              | <u> </u>     | $\sqcup$        |          |  | _        | -          |             | 59                    | $\dashv$        | +       |                        | 4        | <u> </u> | 4-           | <del>   </del>         | -    |       | 109          | $\vdash \vdash$ | _             | $\dashv$ | -        |          | -       | +         | +            |
|                 |  | Н             |         | <u> </u>   | -            |              | $\vdash \vdash$ |          | $\vdash \vdash$                                  | 4        | }          |             | 60<br>61              |                 | +       | +                      | +        | ╀-       | ╀            | <del>    -   -  </del> | -    |       | 110<br>111   | $\vdash \vdash$ | -             | -        | +        | +        | - -     | +         | +            |
| $\dashv$        |  | H             |         | -  |              | -            | $\vdash$        |          | $\vdash$   | $\dashv$ | \<br>-     |             | 62                    | $\dashv$        | +       | - -                    | +-       | +        | ╁            | ++-                    | ŀ    |       | 112          | $\vdash$        |               | -        | $\dashv$ | +        | +       | +         | +            |
| _               |  |               | _       | $\vdash$   | $\vdash$     | -            |                 | _        | $\vdash \vdash$                                  | $\dashv$ | -          |             | 63                    | $\dashv$        | +       | +                      | +-       | +        | +            | 1                      | ŀ    |       | 113          | ╁╌╅             | -             |          | +        | $^{+}$   | +       | $\top$    | +            |
| $\dashv$        |  | $  \parallel$ |         |  |              | <del> </del> | $\vdash \vdash$ |          | H  | $\dashv$ | F          |             | 64                    | 1               | $\top$  | $\top$                 | +        | T        | †            |                        | ·    |       | 114          | -               | $\neg$        | _        | _        | 十        | $\top$  | $\top$    | $\top$       |
| $\neg$          | 15   |               |         |  |              | Г            | $  \neg  $      |          | П  | $\neg$   |            |             | 65                    | $\top$          | $\top$  | $\top$                 |          | T        |              |                        | ·    |       | 115          | $\Box$          |               |          |          |          |         |           | T            |
|                 |  |               |         |  |              |              |                 |          |  |          |            |             | 66                    |                 |         |                        |          |          | Γ            |                        |      |       | 116          |                 |               |          |          |          |         |           |              |
|                 | 17   |               |         |  |              |              |                 | _        |  |          |            |             | 67                    |                 | T       | I                      |          |          |              |                        |      |       | 117          | П               |               |          |          |          | $\perp$ | Ţ         |              |
|                 |  | $\Box$        |         |  |              |              | $\sqcup$        |          | $\Box$   | _        |            |             | 68                    | $\perp$         | $\perp$ | $\perp$                |          | L        | 1            |                        |      |       | 118          | $\sqcup$        |               |          |          | _        | _       | 4         | $\downarrow$ |
|                 |  |               | _       | <u> </u>   | <u> </u>     | <u> </u>     | $\square$       |          | -  |          | -          |             | 69                    | 4               | -       |                        |          | <u> </u> | 4-           |                        | .  - |       | 119          | $\sqcup$        | _             |          | -        | -        | +       | +         | +            |
|                 |  | V             |         | <u> </u>   | -            | <u> </u>     | $\vdash \vdash$ |          | -  | _        | -          |             | 70<br>71              | +               | +       | +                      | -        | ┼-       | ╄            |                        | -    |       | 120<br>121   | $\vdash \vdash$ |               | -        | -        | -        | +       | +         | +            |
|                 |  | $\vdash$      |         | -  |              |              | $\vdash \vdash$ |          | -  |          | -          |             | 72                    | $\dashv$        | +       | - -                    | +-       | ╁        | ╁            |                        |      |       | 121          | $\vdash \vdash$ |               | -+       | $\dashv$ | +        | +       | +         | +            |
| $\dashv$        | 23   | $\vdash$      |         |  |              | -            | $\vdash \vdash$ | <u> </u> | -  | $\dashv$ | -          |             | 73                    | +               | +       | ╁                      |          | ╁        | ╁            | ++                     | -    |       | 123          | $\vdash$        |               | -        | $\dashv$ | +        | +       | +-        | +            |
| -               | 24   | H             |         | <del>                                     </del> | $\vdash$     | <del> </del> |                 |          | <del>                                     </del> | $\dashv$ | . Ի        |             | 74                    | +               | +       | +                      |          | +        | +            | +                      | - 1  |       | 124          | 1-1             |               |          |          | -        | +       | +         | +            |